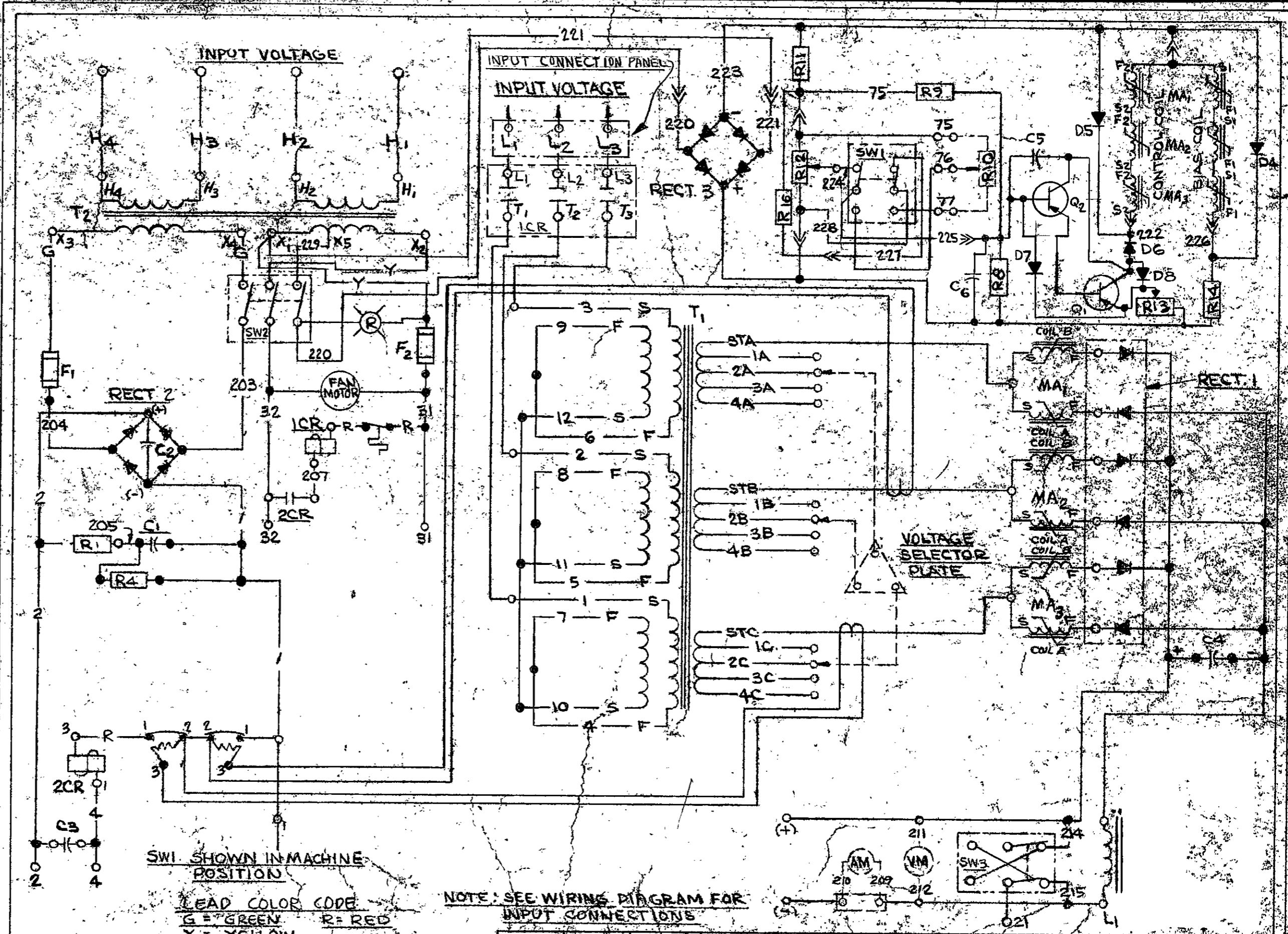


LEGEND

- C1 200 MFD.
- C2 47 MFD.
- C3 47 MFD.
- C4 5 MFD.
- C5 .022 MFD
- C6 .022 MFD
- D6 - 3 AMP
- D7 - 1 AMP
- D8 - 1 AMP
- D4 1 AMP.
- D5 1 AMP.
- F1 4 AMP
- F2 10 AMP
- R1 3Ω
- R4 27KΩ
- R8 3.9KΩ
- R9 30KΩ
- R10 10KΩ
- R11 1.5KΩ
- R12 10KΩ POT
- R13 3.0Ω 25W
- R14 48Ω 10W
- SW1 VOLTAGE CONTROL SWITCH
- SW2 POWER ON/OFF SWITCH
- SW3 CONTROL CIRCUIT SWITCH
- T1 MAIN TRANSFORMER
- T2 AUX TRANSFORMER
- MA1 } MAG-AMP TRANSFORMERS
- MA2 }
- MA3 }
- ICR INPUT CONTACTOR
- ZCR PILOT RELAY

R16 - 10 K Ω



SW1 SHOWN IN MACHINE POSITION
 LEAD COLOR CODE
 G = GREEN R = RED
 Y = YELLOW

NOTE: SEE WIRING DIAGRAM FOR INPUT CONNECTIONS

7-14-72 A			
2-23-73			

A.N.S.I. ELECTRICAL SYMBOLS PER E-1537

- RECT 2 AUXILLARY POWER RECT.
- RECT 1 MAIN POWER RECT.
- RECT 3 CONTROL CIRCUIT RECT.
- Q1 2N1540
- Q2 2N4125
- L1 CHOKE

SUBJECT: R3S-800 SCHEMATIC WIRING DIAGRAM
 THE LINCOLN ELECTRIC CO.
 CLEVELAND, OHIO U.S.A. M-12541

THE LINCOLN ELECTRIC CO.
 CLEVELAND, OHIO U.S.A.

5-26-72

R3S-800 SCHEMATIC DIAGRAM